

Estimating with Fractions and Mixed Numbers

P 5-3

Estimate each product or quotient.

1. $\frac{4}{5} \times 21$ _____ 2. $2\frac{7}{8} \times 9\frac{1}{4}$ _____ 3. $\frac{12}{13} \times 82$ _____
4. $18\frac{7}{8} \times 6\frac{1}{16}$ _____ 5. $30 \div 6\frac{3}{4}$ _____ 6. $24\frac{3}{16} \div 7\frac{2}{3}$ _____
7. $37 \div 5\frac{2}{3}$ _____ 8. $27\frac{4}{9} \div 8\frac{3}{4}$ _____ 9. $16\frac{11}{12} \times 3\frac{4}{5}$ _____
10. $90\frac{1}{10} \div 9\frac{9}{10}$ _____ 11. $11\frac{3}{8} \times \frac{18}{19}$ _____ 12. $12\frac{1}{4} \div 4\frac{3}{10}$ _____

About how much flour is needed to make

13. 2 loaves of zucchini bread?

14. 2 dozen bran muffins?

15. 8 batches of wheat rolls?

Recipe	Cups of Flour
Zucchini bread (1 loaf)	$2\frac{1}{2}$
Bran muffins ($\frac{1}{2}$ dozen)	$1\frac{1}{3}$
Wheat rolls (2 batches)	$2\frac{1}{4}$

- 16.
- Number Sense**
- What benchmark fraction could you use to estimate the product of 54 and
- $\frac{7}{16}$
- ?

Test Prep

17. Estimate
- $31\frac{1}{8} \times 5\frac{1}{4}$
- .

A. 150

B. 170

C. 180

D. 190

- 18.
- Writing in Math**
- Explain how you would estimate
- $16\frac{5}{9} \div 3\frac{7}{8}$
- .
